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DIALOG(R) File 351:Derwent WPI
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013752142 **Image available**

WPI Acc No: 2001-236354/200125

XRPX Acc No: N01-169004

Oscillating drive system for electric toothbrush has
figure-of-eight-shaped cam track on face of internal-toothed pinion
driven by small pinion

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Inventor: HOFMANN J; HOFMANN R

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 20014419	U1	20010322	DE 2000U2014419	U	20000818	200125 B
DE 10106610	A1	20020228	DE 1006610	A	20010213	200223

Priority Applications (No Type Date): DE 2000U2014419 U 20000818

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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DE 20014419 U1 5 A61C-017/32

DE 10106610 A1 A61C-017/32

Abstract (Basic): DE 20014419 U1

NOVELTY - The figure-of-eight cam track (4) is situated on the other side of a disc (1) from the gear teeth. These are formed on the inner side of a sideways-projecting disc or flange. The cam follower is mounted in the end of a first lever, pivoted to a second lever whose second end is connected to the toothbrush which oscillates in a straight line.

USE - Reciprocating electric toothbrush.

ADVANTAGE - Simple and efficient conversion of rotary to reciprocating motion.

DESCRIPTION OF DRAWING(S) - The drawing shows a front view of the cam track.

Disc (1)

Figure-of-eight cam track (4)

PP; 5 DwgNo 1/5

Title Terms: OSCILLATING; DRIVE; SYSTEM; ELECTRIC; TOOTHBRUSH; FIGURE; EIGHT; SHAPE; CAM; TRACK; FACE; INTERNAL; TOOTH; PINION; DRIVE; PINION

Derwent Class: P32; Q64; X27

International Patent Class (Main): A61C-017/32

International Patent Class (Additional): F16H-025/12

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): X27-A02A3A

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⑯ BUNDESREPUBLIK

DEUTSCHLAND



DEUTSCHES
PATENT- UND
MARKENAMT

⑯ ⑯ Offenlegungsschrift

⑯ DE 101 06 610 A 1

⑯ Int. Cl. 7:

A 61 C 17/32

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⑯ Anmeldetag: 13. 2. 2001
⑯ Offenlegungstag: 28. 2. 2002

⑯ Innere Priorität:

200 14 419. 7 18. 08. 2000

⑯ Erfinder:

gleich Anmelder

⑯ Anmelder:

Hofmann, Jörg, 97842 Karbach, DE; Hofmann, Raimund, Dipl.-Ing., 97892 Kreuzwertheim, DE

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

⑯ Kurvenscheibe für oszillierenden Antrieb einer elektr. Zahnbürste

DE 101 06 610 A 1

DE 101 06 610 A 1

Beschreibung

steckbar sind.

Hierzu 2 Seite(n) Zeichnungen

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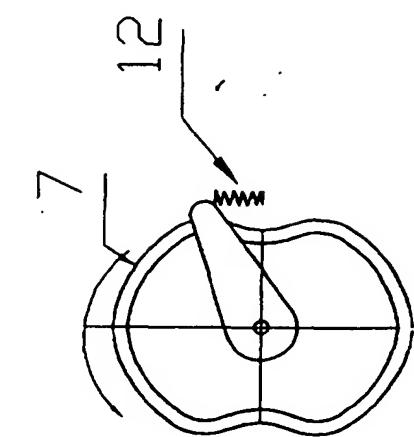


Fig. 5

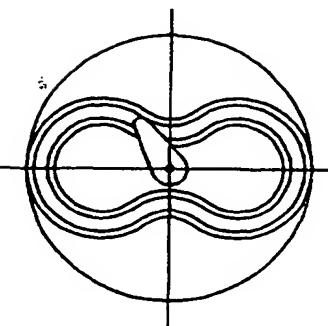


Fig. 4

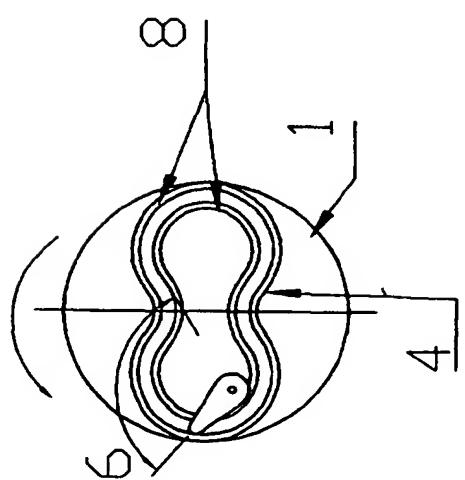


Fig. 1

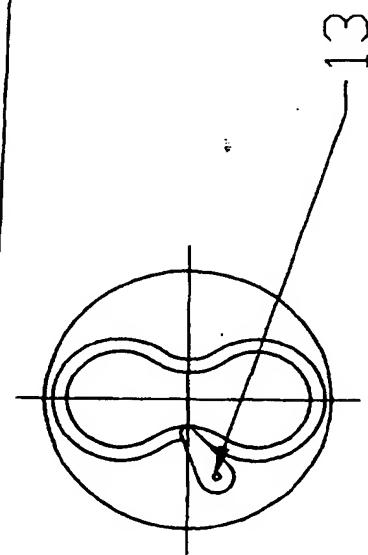


Fig. 2

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FIG. 6

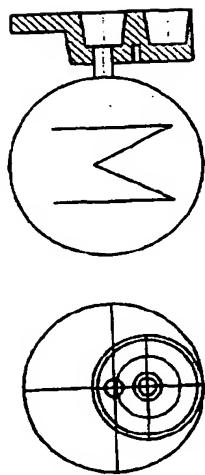


FIG. 3

